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Special Issue Reprint

Sustainable Maritime Transport and Port Intelligence

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This Reprint focuses on sustainable maritime transport and port intelligence in a period of major change in global shipping. Maritime transport and port operations are under growing pressure from geopolitical uncertainty, supply chain disruption, climate change, and low-carbon development. As global trade continues to depend on shipping, improving the efficiency, resilience, intelligence, and environmental performance of maritime and port systems has become an important task for academia, industry, and policymakers. The Reprint brings together original research and review studies on how technological innovation, digital transformation, and advanced management approaches can support greener and smarter maritime development. Its contributions address smart operations management, intelligent marine and port equipment, port automation, sustainable shipping strategies, green port development, carbon emission reduction pathways, and collaboration among shipping companies, ports, and related stakeholders. Attention is also given to digital technologies, artificial intelligence, data-driven decision support, and operational innovations that improve safety, service quality, resource use, and environmental performance. By combining theoretical analysis with practical insights, this Reprint provides a timely overview of current trends, emerging challenges, and future directions in sustainable maritime transport and intelligent port management. It offers useful references for researchers, engineers, managers, and decision makers committed to building greener, smarter, and more resilient shipping and port systems worldwide.



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